

EnviroTech News - August, 2007

U.S. EPA Environmental Technology Opportunities Portal (ETOP)

Welcome to EnviroTech News, a service provided through EPA's Environmental Technology program by the Environmental Technology Opportunities Portal (ETOP). This monthly newsletter contains information relevant to the environmental technology industry under the following headings: Government Funding Opportunities, Environmental Technology Verification (ETV) Opportunities, and Upcoming Events. Special issues of EnviroTech News feature Technology Opportunities; this section offers the unique opportunity to connect with individuals or companies that may be looking for new solutions to specific environmental problems. We try to keep EnviroTech News as brief as possible while providing information relevant to your needs. This information, updated weekly, may also be found at <http://www.epa.gov/etop/funding>

GOVERNMENT FUNDING OPPORTUNITIES

ENVIRONMENTAL PROTECTION AGENCY

EPA, REGION 5, REQUESTS PROPOSALS FOR STRATEGIC AGRICULTURAL INITIATIVE COOPERATIVE AGREEMENTS. RESPONSES DUE 9/6/07. Through this initiative, EPA will support efforts by the agricultural community to transition away from high risk pesticides to the use of less and reduced risk pesticides, alternative methods of agricultural pest control, and sustainable practices in food production. \$800K expected to be available, 1 award anticipated. Projects must take place in Region 5 which includes IL, IN, MI, MN, OH and WI. For more info, contact Bruce Wilkinson at Wilkinson.Bruce@epa.gov or go to: http://www.epa.gov/region5/pesticides/sai_rfp_07.html Refer to Sol# EPA-R5-LCD-2007-1.

EPA REQUESTS PROPOSALS FOR CLIMATE MODELING WORKSHOPS AND STUDY TO ADVANCE THE FIELD OF CLIMATE ECONOMIC MODELING THROUGH A REGULAR SERIES OF STUDIES ON GREENHOUSE GAS EMISSION POLICIES, INCLUDING A SPECIFIC STUDY ON ENERGY EFFICIENCY AND RENEWABLE ENERGY. RESPONSES DUE 9/7/07. These series of studies will be made available to researchers and experts in the field, and to the public in general. \$1 million expected to be available, up to 3 awards anticipated. For more info, contact Steven Rose at rose.steven@epa.gov or go to: http://www.epa.gov/air/grants_funding.html#0711 Refer to Sol# EPA-OAR-CCD-07-11.

EPA, AS PART OF ITS SCIENCE TO ACHIEVE RESULTS (STAR) PROGRAM, SEEKS APPLICATIONS PROPOSING TO IMPROVE THE ABILITY OF EPIDEMIOLOGIC STUDIES TO LINK HEALTH OUTCOMES TO SOURCES AND COMPONENTS OF AIR POLLUTION. PROPOSALS DUE 9/11/07. This RFA provides an opportunity to link health studies with more advanced measurement and modeling approaches to strengthen the air quality and exposure aspects of epidemiologic studies. Anticipated funding is approximately \$5 million total for six awards. More at http://es.epa.gov/ncer/rfa/2007/2007_star_part_matter.html

EPA SEEKS APPLICATIONS PROPOSING RESEARCH TO FURTHER ADVANCE THE SCIENCE IN THE AREA OF DETECTION AND MONITORING OF ENGINEERED NANOMATERIALS. APPLICATIONS DUE 9/13/2007. Specifically, this program announcement is seeking techniques and technologies that distinguish engineered nanomaterials from incidental, anthropogenic and/or natural nanomaterials. Anticipated funding is approximately \$2.2 million total for approximately 5 awards. More

info at http://es.epa.gov/ncer/rfa/2007/2007_gro_nano.html

EPA, REGION 5 REQUESTS PROPOSALS FOR THE MIDWEST CLEAN DIESEL INITIATIVE. RESPONSES DUE 9/18/07. Funding is available for projects that demonstrate effective emissions reductions through a variety of strategies, including but not limited to, emissions control technologies, vehicle and engine replacement, cleaner burning fuels and idling reduction strategies. Projects must take place in Region 5 which includes IL, IN, MI, MN, OH and WI. \$300K expected to be available, up to 3 awards anticipated. For more info, contact Steve Marquardt at Marquardt.Steve@epa.gov or go to: <http://www.epa.gov/midwestcleandiesel/grants/mcdi-rfp-2007.pdf> Refer to Sol# EPA-R5-MCDI-2007.

EPA SEEKS APPLICATIONS PROPOSING THE DEVELOPMENT AND/OR USE OF PHYSIOLOGICALLY BASED PHARMACOKINETIC MODELING FOR THE INTERPRETATION OF BIOMARKER DATA. PROPOSALS DUE 9/18/2007. Anticipated funding is approximately \$3 million total for Approximately 4 awards. More info at http://es.epa.gov/ncer/rfa/2007/2007_star_biomarkers.html

EPA, AS PART OF ITS SCIENCE TO ACHIEVE RESULTS (STAR) PROGRAM, SEEKS PROPOSALS FOR RESEARCH THAT HELPS TO DEVELOP OF ENVIRONMENTAL HEALTH OUTCOME INDICATORS. PROPOSALS DUE 9/19/07. Key to the development of such indicators is a clearer understanding of the sequence of events that link changes in the environment to human exposure and adverse health outcomes. Anticipated funding amount is approximately \$2 million total for 4 awards. More info at http://es.epa.gov/ncer/rfa/2007/2007_star_health_indicators.html

EPA REQUESTS PROPOSALS FOR CLEAN SCHOOL BUS USA FOR REGIONS 6 AND 7. RESPONSES DUE 9/21/07. This program supports projects that reduce emissions from diesel school buses through a variety of strategies, including but not limited to, emissions control technologies, vehicle and engine replacement, cleaner burning fuels and idling reduction strategies. \$1.36 million expected to be available, up to 20 awards anticipated. Project must take place within Regions 6 and 7 includes AR, IA, KS, LA, MN, MO, NB, NM, OK, and TX. For more info, contact Alan Banwart at banwart.alan@epa.gov or go to: http://www.epa.gov/region07/economics/r7_grant_opportunities.htm Refer to Sol# EPA-R7ARTD-07-004.

EPA SEEKS APPLICATIONS PROPOSING TARGETED RESEARCH PROJECTS OF UP TO 3 YEARS DURATION AND MULTI-DISCIPLINARY REGIONAL STUDIES FOR 3 TO 5 YEARS DURATION FOR THE ECOLOGY AND OCEANOGRAPHY OF HARMFUL ALGAL BLOOMS (ECOHAB) PROGRAM. PROPOSALS DUE 10/4/07. This NOAA-led program provides support for research on algal species whose populations may cause or result in deleterious effects on ecosystems and human health. All research support is dependent upon individual Agency appropriations. Anticipated Funding is approximately \$10 million total for 11 awards. More info at http://es.epa.gov/ncer/rfa/2008/2008_star_ecohab.html

EPA IS OFFERING GRADUATE FELLOWSHIPS FOR MASTERS AND DOCTORAL LEVEL STUDENTS IN ENVIRONMENTAL FIELDS OF STUDY. PRE-APPLICATIONS DUE 10/23/07 AT 4 PM EST. Anticipated Funding is approximately \$5.9 million for 65 new fellowships. Master's level students may receive support for a maximum of two years. Doctoral students may be supported for a maximum of three years, usable over a period of four years. More info at http://es.epa.gov/ncer/rfa/2008/2008_star_fellow.html Refer to Sol# EPA-F2008 STAR.

OTHER FEDERAL FUNDING OPPORTUNITIES

DEPARTMENT OF AGRICULTURE

USDA REQUESTS PROPOSALS FOR PHASE I OF THE SMALL BUSINESS INNOVATION RESEARCH (SBIR) PROGRAM. RESPONSES DUE 9/5/07. SBIR supports small businesses to conduct high quality, advanced concepts research related to important scientific problems and opportunities in agriculture that could lead to significant public benefit. Areas of interest include, but are not limited to: Biofuels and Biobased Products; Forests and Related Resources; Rural Development; Soil and Water Resources; Marketing and Trade; and Aquaculture. Special consideration may be provided to applications that address Alternative and Renewable Energy or Agriculturally-related Manufacturing Technology within their scope of work. \$18.9 million expected to be available, award range \$80K to \$350K. For more info, including contacts for specific areas of interest, go to: http://www.csrees.usda.gov/funding/rfas/sbir_rfa.html Refer to Sol# USDA-CSREES-SBIR-000891.

USDA HAS ISSUED NUMEROUS REQUESTS FOR PROPOSALS FOR THE CONSERVATION INNOVATION GRANT PROGRAM (CIG). The purpose of CIG is to stimulate the development and adoption of innovative conservation approaches and technologies while leveraging Federal investment in environmental enhancement and protection, in conjunction with agricultural production. RFPs are open in geographic areas including but not limited to: Puerto Rico, the Virgin Islands, the Pacific Islands, ID, ME, NC, KS, NB, OH, SD, MT and UT. Funding amounts and due dates vary by RFP. For more info, go to <http://www.grants.gov> and type CIG into the search field.

USDA INVITES APPLICATIONS FOR THE NATIONAL RESEARCH INITIATIVE (NRI) COMPETITIVE GRANTS PROGRAM. APPLICATION DUE DATES VARY BY PROGRAM AREA. This program supports research, extension and education grants that address key problems of national, regional and multistate importance in sustaining all components of agriculture. Approximately \$180 million in FY 2006 funding is expected to be available for awards. For research projects, state agricultural experiment stations, colleges and universities and other research institutions, federal agencies, national laboratories, and private organizations or corporations are eligible. More information is available at: http://www.csrees.usda.gov/funding/rfas/nri_rfa.html

USDA THROUGH THE SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION PROGRAM (SARE) REQUEST GRANT APPLICATIONS FOR RESEARCH PROJECTS THAT ADDRESS CROP AND LIVESTOCK PRODUCTION AND MARKETING, STEWARDSHIP OF SOIL AND OTHER NATURAL RESOURCES, ECONOMICS AND QUALITY OF LIFE. APPLICATION DETAILS, DEADLINES, AND PERCENT SUCCESS VARY BY REGION AND PROGRAM. More info is available at <http://www.sare.org/grants/index.htm>

DEPARTMENT OF COMMERCE

THE U.S. DEPARTMENT OF COMMERCE, NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY REQUESTS PROPOSALS FOR THE MEASUREMENT, SCIENCE AND ENGINEERING

RESEARCH GRANTS PROGRAMS, WHICH INCLUDES BUT IS NOT LIMITED TO BUILDING RESEARCH GRANTS AND MANUFACTURING ENGINEERING LABORATORY GRANTS. RESPONSES DUE 9/30/07. For more info, contact Chris Hunton at christopher.hunton@nist.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=12347> Refer to Sol# 2007-MSE-01

DEPARTMENT OF DEFENSE

THE DOD SBIR 2007.3 SOLICITATION WAS PRE-RELEASED ON JULY 19, 2007. PROPOSALS DUE 9/19/07. The Air Force, Navy, MDA, and NGA invite small businesses to submit proposals under this solicitation. During the pre-release period, which ends on August 19, you may contact the topic authors directly (contact information is listed with the topic) to ask technical questions about specific solicitation topics. The DOD will begin accepting proposals on August 20, 2007 and will close to proposals on September 19, 2007 at 6am EST. Plan ahead and submit your proposal early to avoid the risk of website inaccessibility due to heavy usage on the final day. More info at <http://www.dodsbir.net/solicitation> Or, call the DOD SBIR Help Desk at 866-724-7457 or email sbirhelp@brtrc.com

THE OFFICE OF NAVAL RESEARCH (ONR) HAS ISSUED A BROAD BASED ANNOUNCEMENT FOR THE INVESTIGATION AND DEMONSTRATION OF NEW TECHNOLOGIES CAPABLE OF REDUCING FUEL CONSUMPTION, IMPROVING POWER CONVERSION EFFICIENCY, AND TO A LESSER EXTENT, INCREASE INSTALLED POWER GENERATION DENSITY ON THE USS ARLEIGH BURKE (DDG 51) FLIGHT IIA CLASS SHIPS. RESPONSES DUE 9/25/07. For more info, go to: <http://www2.fbo.gov/spg/DON/ONR/ONR/BAA07%2D029/listing.html> Refer to Sol# BAA07-029.

THE OFFICE OF NAVAL RESEARCH ANNOUNCES ITS INTEREST IN RECEIVING PROPOSALS FOR LONG-RANGE SCIENCE AND TECHNOLOGY PROJECTS THAT OFFER POTENTIAL FOR ADVANCEMENT AND IMPROVEMENT OF NAVY AND MARINE CORPS OPERATIONS. RESPONSES ACCEPTED THROUGH 9/30/07. ONR is interested in funding meritorious research across a wide spectrum of science and engineering disciplines. For more info, go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10957> Refer to Sol# BAA07-001.

THE TACTICAL TECHNOLOGY OFFICE (TTO) OF THE DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA) SOLICITS PROPOSALS FOR ADVANCED RESEARCH AND DEVELOPMENT OF SYSTEM AND SUBSYSTEM LEVEL TECHNOLOGIES THAT ENABLE REVOLUTIONARY IMPROVEMENTS TO THE EFFICIENCY AND EFFECTIVENESS OF THE MILITARY. PROPOSALS DUE 2/28/08. The DARPA/TTO program will consider a broad range of technologies but focuses on the high risk/high payoff development and demonstration of complete systems or subsystems rather than advances in basic sciences. More info at <http://www1.fbo.gov/spg/ODA/DARPA/CMO/BAA07%2D20/listing.html>

THE DEFENSE ADVANCED RESEARCH PROJECTS AGENCY'S (DARPA) STRATEGIC TECHNOLOGY OFFICE (STO) HAS ISSUED A BROAD AGENCY ANNOUNCEMENT FOR RESEARCH, DEVELOPMENT, DESIGN, AND TESTING THAT DIRECTLY SUPPORTS THE STO. RESPONSES ACCEPTED THROUGH 12/31/08. Areas of interest include but are not limited to power harvesting technologies and devices, and next generation power generation systems, including electrodynamics and momentum tethers, and

advanced solar systems. For more info, contact Patty Matyskiela at Patricia.Matyskiela@darpa.mil or go to: <http://www1.fbo.gov/spg/ODA/DARPA/CMO/BAA07%2D01/SynopsisP.html> Refer to Sol# BAA07-01.

DEPARTMENT OF ENERGY

DOE REQUESTS PROPOSALS FOR SOLAR AMERICA INITIATIVE UNIVERSITY PHOTOVOLTAIC PROCESS AND PRODUCT DEVELOPMENT SUPPORT. RESPONSES DUE 9/12/07. Through this initiative, DOE seeks projects from U.S. universities that offer direct, near-term improvements in PV products and development processes. Areas of interest include: Cadmium Telluride PV technologies; Copper Indium Gallium Diselenide PV technologies; Concentrator PV systems; Dye-Sensitized solar cells; silicon-film technologies; Organic PV systems; Wafer- Silicon PV technologies; and Multi-Disciplinary/Cross-cutting Devices or Processes Addressing Multiple PV Technologies. \$30 million expected to be available, up to 25 awards anticipated. For more info, contact Nancy Kiyota at nancy.kiyota@go.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/F2D00ED7C468FE6E85257300006B79F3?OpenDocument> Refer to Sol# DE-PS36-07G097027.

DOE, OFFICE OF SCIENCE, ANNOUNCES ITS CONTINUING INTEREST IN RECEIVING APPLICATIONS FOR SUPPORT OF WORK IN AREAS INCLUDING BUT NOT LIMITED TO BASIC ENERGY SCIENCES, HIGH ENERGY PHYSICS, AND BIOLOGICAL AND ENVIRONMENTAL RESEARCH AND ENERGY RESEARCH ANALYSES. RESPONSES ACCEPTED ON AN ONGOING BASIS, FINAL DUE DATE UNDER THIS NOTICE IS 10/1/07. Sub areas of interest include, but are not limited to, Climate Change Research, Materials Sciences and Engineering, Chemical Sciences and Energy Biosciences. Up to \$400 million expected to be available. Eligibility is unrestricted. For more info, contact Lori Jernigan at Lori.Jernigan@science.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/7B7C4F49DCB4F01D852571FE006E53BE?OpenDocument> Refer to Sol# DE-PS02-07ER07-01.

DOE SOLICITS APPLICATIONS FOR MANUFACTURING RESEARCH AND DEVELOPMENT FOR HYDROGEN AND FUEL CELL SYSTEMS. APPLICATIONS DUE 10/10/07. This Funding Opportunity Announcement (FOA) concentrates on the major topics that need to be addressed through hydrogen and fuel cell systems manufacturing R&D, focusing primarily on technologies that are near commercialization. Estimated total funding is \$38 million. Eligibility is unrestricted. More info at <https://e-center.doe.gov/iips/faopor.nsf/UNID/4CC1C3F1822CF93A8525731D004E29DB?OpenDocument>

DOE National Energy Technology Laboratory (NETL) uses the Industry Interactive Procurement System (IIPS) to post solicitations and amendments, receive proposals/applications, and disseminate award information. Entities wishing to participate in NETL solicitations will need to register at the IIPS website: <http://e-center.doe.gov>

FEDERAL AVIATION ADMINISTRATION

FAA ACCEPTS UNSOLICITED RESEARCH PROPOSALS THAT ADDRESS LONG-TERM GROWTH AND

SHORT-TERM TECHNICAL NEEDS OF CIVIL AVIATION. PROPOSALS ACCEPTED THROUGH 1/1/2012. 10 areas of interest are identified which include, but are not limited to: 1) Environment and Energy Improvements that address environmental and regulatory issues such as noise abatement, aircraft pollution, and improved certification of clean, quiet, fuel efficient aircraft, and 2) Airports Improvements in design, construction, operation, and maintenance of airports. For more info, contact Barbara Fuller at barbara.fuller@faa.gov or go to: <http://www.tc.faa.gov/logistics/grants/doc/FAA-06-01.doc> FAA is currently updating their Research Grant RFP interested applicants are asked to refer to Sol#97.2 until Sol# FAA-06-01 is posted.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

THE COOPERATIVE INSTITUTE FOR COASTAL AND ESTUARINE ENVIRONMENTAL TECHNOLOGY (CICEET) INVITES PROPOSALS TO ITS ENVIRONMENTAL TECHNOLOGY DEVELOPMENT AND DEMONSTRATION (ETDD) PROGRAM FOR FUNDING IN FY 2008. PROPOSALS DUE 9/18/07. This RFP has two broad goals: develop and/or demonstrate technology to detect and quantify the impacts of human activity on coastal water quality, species, and habitats; and develop and/or demonstrate technology to protect coastal water quality and/or restore coastal habitats. Up to \$2 million will be made available for this opportunity for five to 10 proposals. This RFP is open to investigators from United States academic institutions, state and local government agencies, non-governmental organizations (NGOs), and the private sector. This RFP is open to investigators from United States academic institutions, state and local government agencies, non-governmental organizations (NGOs), and the private sector. More info at http://ciceet.unh.edu/funding/rfp_2008/rfp_etdd.html

THE COOPERATIVE INSTITUTE FOR COASTAL AND ESTUARINE ENVIRONMENTAL TECHNOLOGY (CICEET) INVITES PROPOSALS TO ITS FY 2008 MITIGATING SHORELINE EROSION ALONG SHELTERED COASTS FUNDING OPPORTUNITY. PROPOSALS DUE 9/25/07. This RFP seeks to support research and outreach that will provide a better understanding of how to use different erosion prevention measures to protect sheltered coastlines from the impacts of rising sea levels and waves (from extreme weather and/or boat wakes), as well as to protect, preserve, and restore ecosystem function. More info at: http://ciceet.unh.edu/funding/rfp_2008/rfp_erosion.html#about

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION REQUESTS PROPOSALS FOR THE CLIMATE PROGRAM OFFICE FOR FY 2008. Due dates for Letters of Intent and final proposals vary by program area. Program areas of interest include, but are not limited to: Arctic Research Program; Atmospheric Composition and Climate Program; Climate Change Data and Detection; Climate Dynamics and Experimental Prediction; and Climate Prediction Program for the Americas. \$6 million expected to be available, up to 60 awards anticipated. For more info, contact Diane Brown at cpogrants@noaa.gov or go to: <http://www.grants.gov/search/search.do?oppId=14636&mode=VIEW> Refer to Sol# OAR-CPO-2008-2000994.

THE NOAA/NASA/DOD JOINT CENTER FOR SATELLITE DATA ASSIMILATION REQUESTS RESEARCH APPLICATIONS IN THE AREA OF SATELLITE DATA ASSIMILATION IN NUMERICAL

WEATHER, CLIMATE, AND ENVIRONMENTAL FORECAST SYSTEMS. LETTERS OF INTENT ARE REQUIRED AND WERE DUE 8/10/07, FINAL PROPOSALS DUE 10/2/07. \$600K expected to be available, up to 6 awards anticipated. For more info, contact Steve Drescher at steve.j.drescher@noaa.gov or go to: <http://www.grants.gov/search/search.do?oppId=14674&mode=VIEW> Refer to Sol# NESDIS-NESDISPO-2008-2001042.

NATIONAL SCIENCE FOUNDATION

NSF REQUESTS PROPOSALS FOR THE ENERGY FOR SUSTAINABILITY PROGRAM. PROPOSALS DUE 9/15/07. This program supports fundamental research and education in energy production, conversion, and storage which is focused on energy sources that are environmentally friendly and renewable. This program seeks to reduce world dependence on fossil fuels, reduce greenhouse gases, and promote sustainable energy. Eligibility is unrestricted. For more info, contact Cindy Lee at cmlee@nsf.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=11349> Refer to Sol# PD-07-7644.

NSF REQUESTS PROPOSALS FOR THE ENVIRONMENTAL SUSTAINABILITY GRANT PROGRAM. RESPONSES 9/15/07. This program supports engineering research with the goal of promoting sustainable engineered systems that support human well-being and that are compatible with sustaining natural systems, which provide ecological services vital for human survival. Eligibility is unrestricted. For more info, contact Cindy Lee at cmlee@nsf.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=11350> Refer to Sol# PD-07-7643.

NSF REQUESTS PROPOSALS FOR THE CLIMATE AND LARGE-SCALE DYNAMICS PROGRAM. PROPOSALS ACCEPTED ON AN ONGOING BASIS. Research topics include, but are not limited to, processes that govern climate; the causes of climate variability and change; the development and use of climate models to diagnose and simulate climate, its variations, and changes. For more info, contact Jay Fein at jfein@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11699 Refer to Sol# PD-06-5740.

NSF REQUESTS PROPOSALS FOR ATMOSPHERIC CHEMISTRY RESEARCH. PROPOSALS ACCEPTED ON AN ONGOING BASIS. Areas of interest include, but are not limited to, measurement and modeling of the concentration and distribution of gases and aerosols in the lower and middle atmosphere. Eligibility is unrestricted. For more info, go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10764> Refer to Sol# PD-98-1524.

NSF REQUESTS PROPOSALS FOR PALEOCLIMATE RESEARCH. PROPOSALS ACCEPTED ON AN ONGOING BASIS. Projects should focus on the natural evolution of Earth's climate with the goal of providing a baseline for present variability and future trends through improved understanding of the physical, chemical, and biological processes that influence climate over the long-term. For more info, contact David Verardo at dverardo@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12727 Refer to Sol# PD-98-

1530

NSF REQUESTS PROPOSALS FOR QUANTITATIVE ENVIRONMENTAL AND INTEGRATIVE BIOLOGY. PROPOSALS ACCEPTED ON AN ONGOING BASIS. Areas of interest include but are not limited to, sustainability, environmental catalysis, and basic research related to green chemistry or the utilization of biorenewable resources. For more info, go to:
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10773> Refer to Sol# PD-05-1401.

STATE AND OTHER ORGANIZATIONS

THE NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY (NYSERDA) REQUESTS PROPOSALS FOR THE CLEAN ENERGY BUSINESS GROWTH & DEVELOPMENT PROGRAM. PROPOSALS DUE 9/5/07, 2/4/08 AND 8/4/08. Through this program, NYSERDA seeks to help clean energy companies succeed, grow, and develop new markets for clean technologies through new, improved, or expanded manufacturing, assembly, installation, distribution, sales and/or service of clean energy equipment and systems in NY State. \$6 million expected to be available. For more info, contact Vicki Colello at vac@nyserda.org or go to: <http://www.nyserda.org/Funding/funding.asp?i=2> Refer to PON# 1124.

THE NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY (NYSERDA) REQUESTS PROPOSALS FOR THE NEXT GENERATION EMERGING TECHNOLOGIES FOR RESIDENTIAL BUILDINGS. RESPONSES DUE 9/20/07. Through this initiative, NYSERDA seeks feasibility research, product development and demonstration projects for residential buildings. The technologies should promote improvement to the production, distribution and durability of the energy systems in the building. \$1.5 million expected to be available, award range depends on project category. All, or none, of the available funds could be awarded in either round. For more info, contact Greg Pedrick at gap@nyserda.org or go to: <http://www.nyserda.org/Funding/funding.asp?i=2> Refer to PON# 1126.

THE CALIFORNIA ENERGY COMMISSION REQUESTS PROPOSALS FOR THE ENERGY INNOVATIONS SMALL GRANTS ELECTRICITY PROGRAM, FOR HARDWARE AND MODELING PROJECTS THAT ESTABLISH THE FEASIBILITY OF NEW, INNOVATIVE ENERGY CONCEPTS. APPLICATIONS DUE 9/27/07. Research projects must target one of the six program areas, address a CA energy problem, and provide a potential benefit to CA electric ratepayers. Program areas of interest include: Industrial/Agriculture/Water End-use Efficiency; Building End-use Efficiency; Environmentally Preferred Advanced Generation; Renewable Generation; Energy-Related Environmental Research, and; Energy Systems Integration. Awards NTE \$95K. For more info, contact eisgp@energy.state.ca.us or go to: <http://www.energy.ca.gov/contracts/> Refer to Sol# 07-02.

THE NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY (NYSERDA) INVITES PROPOSALS FOR THE DEVELOPMENT, DEMONSTRATION AND/ OR COMMERCIALIZATION OF INNOVATIVE SENSORS, CONTROLS OR ADVANCED TECHNOLOGIES FOR RESIDENTIAL AND COMMERCIAL BUILDINGS OR INDUSTRIAL APPLICATIONS THAT

ENHANCE ENERGY MANAGEMENT, MANUFACTURING. ROUND 1 PROPOSALS DUE: 10/3/07; ROUND 2 PROPOSALS DUE: 3/18/08. Proposed projects should be innovative and seek to improve power quality and reliability, increase energy efficiency, reduce peak load or improve productivity. Total available NYSERDA funding is \$3,000,000. More info at <http://www.nyserdera.org/funding/funding.asp?i=2> See PON 1164.

THE NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY (NYSERDA) REQUESTS PROPOSALS FOR SUSTAINABLE TRANSPORTATION SYSTEMS, FOR PROJECTS TO IMPROVE THE ENERGY AND ENVIRONMENTAL PERFORMANCE OF THE EXISTING TRANSPORTATION SYSTEMS IN NEW YORK STATE. RESPONSES DUE 10/10/07. Up to \$1.5 million expected to be available. For more info, contact Richard Drake at rld@nyserdera.org or go to: <http://www.nyserdera.org/funding/funding.asp?i=2> Refer to PON# 1173.

THE CALIFORNIA ENERGY COMMISSION REQUESTS PROPOSALS FOR BIOPOWER RESEARCH, DEVELOPMENT & DEMONSTRATION, FOR PROJECTS THAT ADVANCE BIOPOWER TECHNOLOGIES USING CALIFORNIA'S FORESTRY RESIDUES. RESPONSES DUE 10/12/07. \$1 million expected to be available, up to 3 awards anticipated. For more info, contact Kelly Lafave at klafave@energy.state.ca.us or go to: <http://www.energy.ca.gov/contracts/pier.html>

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY (NYSERDA) SEEKS PROPOSALS TO SUPPORT ENVIRONMENTALLY PREFERRED POWER SYSTEMS TECHNOLOGIES, ENERGY STORAGE DEMONSTRATIONS, AND ENVIRONMENTAL IMPACT ASSESSMENTS / MITIGATION TECHNIQUES. ROUND 2 PROPOSALS DUE 10/17/07. Total available funding is \$7.25 million. More info at <http://www.nyserdera.org/Funding/funding.asp?i=2> See PON 1118.

THE NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY (NYSERDA) REQUESTS PROPOSALS FOR THE BIO-FUEL STATION INITIATIVE: DRIVING ENERGY INDEPENDENCE FOR THE EMPIRE STATE. APPLICATIONS ACCEPTED UNTIL FUNDS ARE EXHAUSTED OR UNTIL 5/2/08, WHICHEVER COMES FIRST. The goal of this initiative, which is partially funded by a U.S. Department of Energy State Energy Program, is to increase the number of retail E85 and Blended Biodiesel service stations in NY. The initiative will reimburse 50% of the costs, NTE \$50K per site, for new installations of biofuels dispensing equipment, storage tanks, and associated piping equipment. It is estimated approximately 300 new retail E85 ethanol and/or blended biodiesel fueling stations will be opened as a result of this initiative. Up to \$9 million expected to be available. For more info, contact Patrick Bolton at ppb@nyserdera.org or go to: <http://www.nyserdera.org/Funding/funding.asp?i=2> Refer to PON# 1093.

NEWS and ACTIVITIES

STORMWATER CLEARING HOUSE: The University of Massachusetts has developed a searchable database containing validated performance data and technical information on innovative stormwater treatment technologies. The database can be accessed at an interactive website, <http://www.mastep.net> The clearinghouse is still being populated with information - any comments that you may have are welcome and should be sent to Jerry Schoen at 413-545-5532 or jschoen@tei.umass.edu

The ARSENIC VIRTUAL TRADE SHOW is a learning portal designed to help water systems comply with EPA's Arsenic Rule. Vendor Sign-up:
<http://cfpub.epa.gov/safewater/arsenic/arsenictradeshow/>

ETV VERIFICATIONS

ETV has completed verification testing and reports for 389 innovative environmental technologies! For a full list of ETV verifications, visit <http://www.epa.gov/etv/verifications/verification-index.html>

VENDOR SOLICITATIONS

ETV Centers have issued solicitations for vendors and/or collaborators interested in verification of the following technology categories. For more detailed information on these solicitations, please contact the appropriate center or visit the ETV Web site at <http://www.epa.gov/etv/vendors/vendannounce.html>

Diesel Engine Retrofit Emissions Control Technologies

The ETV Air Pollution Control Technology Center, operated by RTI International, is soliciting vendors of retrofit technologies that control emissions of particulate matter, nitrogen oxides, hydrocarbons, or carbon monoxide from heavy duty diesel engines. Technologies include add-on devices such as exhaust catalysts and particulate matter filters, engine modifications, selective catalytic reduction systems, fuel modifications and reformulations, alternative fuels, and lubricants used on mobile diesel engines and some categories of stationary engines. Verification of these technologies, when used to reduce nitrogen oxide (NOx) emissions, is of interest to Texas' New Technology Research and Development (NTRD) Program, as well as others. Interested vendors should contact Drew Trenholm, RTI, at atrenholm@rti.org or (919) 316-3742. For more information on the NTRD Program, please contact Rudy Smaling, Houston Advanced Research Center, at rsmaling@harc.edu or (281) 364-4036.

Fabric Filter Media

The ETV Air Pollution Control Technology Center, operated by RTI International, is soliciting vendors of filter media used in baghouses to control fine particulate matter. For more information, please contact Drew Trenholm, RTI, at atrenholm@rti.org or (919) 316-3742.

Ventilation Air Cleaning or Filtration Technologies

The ETV Air Pollution Control Technology Center, operated by RTI International, is soliciting vendors interested in performance verification of products for cleaning or filtering ventilation air. Verifications can include ASHRAE 52.2-type efficiency testing for particles from 0.3 to 10 microns, efficiency testing for particles from 0.03 to 10 microns, and efficiency testing for bioaerosols (fungi, bacteria, and virus). For more information, please contact Debbie Franke, RTI, at dlf@rti.org or (919) 541-6826.

Total Organic Carbon (TOC) Analyzers

The ETV Advanced Monitoring Systems Center, in cooperation with Battelle,

invites vendors to participate in verification testing of total organic carbon (TOC) analyzers for wastewater applications. For more information, please contact Ann Louise Sumner, Battelle, at sumnera@battelle.org or (614) 424-3973.

Leak Detection and Repair

The ETV Advanced Monitoring Systems Center, in cooperation with Battelle, invites vendors to participate in verification testing of leak detection and repair (LDAR) imaging devices. This is product-specific testing for portable, hand-held models that detect petroleum products and chemical leaks in real-time. This technology evaluation is investigating alternatives for Method 21 leak detection and increasing greater acceptance of these alternatives. For more information, please contact Anne Gregg, Battelle, at gregga@battelle.org or (614) 424-7419.

Monitoring Technologies

The ETV Advanced Monitoring Systems Center, operated by Battelle, is soliciting vendors and collaborators interested in verification testing of monitoring technologies for contaminants in air, water, and soil. For more information, please contact Ann Louise Sumner, Battelle, at sumnera@battelle.org or (614) 424-3973.

Soil Rapid Toxicity Technologies

The ETV Advanced Monitoring Systems Center, operated by Battelle, is soliciting vendors and collaborators interested in verification testing of rapid toxicity technologies for soil. For more information, please contact Mary Schrock, Battelle, at schrock@battelle.org or (614) 424-4976.

Drinking Water Treatment Technologies

The ETV Drinking Water Systems Center, operated by NSF International, invites vendors and partners to participate in verification testing of emerging innovative and alternative technologies used in drinking water treatment. DWS can help vendors needing product-specific testing for models of membrane filters (microfiltration, ultrafiltration, nanofiltration or reverse osmosis) to meet the requirements of EPA's Long Term 2 Enhanced Surface Water Treatment Rule (LT2). Surveys of state drinking water regulators have found that ETV helps vendors with new, alternative, and innovative technologies to attain greater acceptance of their technologies. For more information, please contact Bruce Bartley, NSF, at bartley@nsf.org or (734) 769-5148.

Distributed Electrical Generation and Combined Heating/Cooling and Power Technologies

The ETV Greenhouse Gas Technology Center, operated by Southern Research Institute, is soliciting vendors for verification testing of technologies associated with distributed electrical generation (i.e., fuel cells, Stirling engines, reciprocating engines), including combined heating/cooling and power applications (e.g., waste heat recovery for space heating, water heating, chillers/refrigeration, dehumidification, etc.) utilizing various fuels (natural gas, hydrogen, biofuels, etc.). For more information, please contact Bill Chatterton, Southern Research, at chatterton@sri.org or (919) 806-3456.

Fuel Efficient Technologies for Heavy and Light Duty Vehicles

The ETV Greenhouse Gas Technology Center, operated by Southern Research Institute, is soliciting vendors of fuel efficient technologies for heavy and light duty vehicles. These technologies include hybrids, engine and driveline lubricants, novel transmissions (CVTs and others), idle reduction, and other technologies that reduce fuel consumption. For more information, please contact Jeff Barghout, Southern Research, at barghout@sri.org or (919) 806-3456.

Sustainable and Renewable Energy Technologies

The ETV Greenhouse Gas Technology Center, operated by Southern Research Institute, is soliciting vendors for verification testing of advanced energy technologies that produce or use sustainable or renewable energy sources. Areas of interest include, but are not limited to: technologies for production and/or cleaning of biofuels from wastes, biomass, or agricultural processes; technologies that utilize biofuels from wastes, biomass, or agricultural processes to produce electric or mechanical power or provide heat for various end uses; novel, economical solar energy technologies, including photovoltaics for production of hydrogen; and small scale geothermal technologies. Technologies must be commercial-ready. For more information, please contact Jeff Barghout, SRI, at barghout@sri.org or (919) 806-3456 ext 31. You can also visit the Center's Web site at www.sri-rtp.com.

Diesel Hybrid Technologies

The ETV Greenhouse Gas Technology Center, operated by Southern Research Institute, is seeking to develop partnerships with organizations and fleet owners interested in the performance verification and demonstration of diesel hybrid technologies, including diesel-electric hybrids, diesel-hydraulic hybrids, and hybrid transmissions for medium and heavy duty diesel trucks. The center is also soliciting vendors of hybrid powertrains and advanced transmissions that are interested in participating in verification/demonstration programs. For additional information, please contact Tim Hansen, SRI, at hansen@sri.org or (919) 806-3456.

On-Board Idle Reduction Technologies

The ETV Greenhouse Gas Technology Center, operated by Southern Research Institute, is seeking to develop partnerships with organizations and fleet owners interested in the performance verification and demonstration of on-board idle reduction technologies for medium and heavy duty diesel trucks. The center is also soliciting developers and vendors of on-board idle reduction technologies that are interested in participating in verification/demonstration programs. Examples include: auxiliary power units/gensets (diesel, fuel cell, others), fuel-/battery-operated heaters, cab cooling systems, and others. For additional information, please contact Tim Hansen, SRI, at hansen@sri.org or (919) 806-3456.

Hydrogen Technologies

The ETV Greenhouse Gas Technology Center, operated by Southern Research Institute, is seeking to develop partnerships with organizations interested in the performance verification and demonstration of hydrogen infrastructure technologies, including hydrogen generation reforming technologies; end-use applications, including fuel cells and engines; storage technologies; and hydrogen safety technologies (i.e., leak detection systems for refueling

stations, etc.). Technologies may be either stationary or mobile. The center is also soliciting vendors of hydrogen technologies and potential fleet owners that are interested in participating in verification/demonstration programs. Where practical, testing will be performed in-service under normal operating conditions. Technologies must be commercial-ready or near commercial-ready. For additional information, please contact Jeff Barghout, SRI, at barghout@sri.org or (919) 806-3456 ext. 31.

Greenhouse Gas Emission Reductions for the Semiconductor Processing Industry
The ETV Greenhouse Gas Technology Center, operated by Southern Research Institute, is soliciting vendors for verification testing of technologies associated with semiconductor processing that reduce emissions of greenhouse gases (i.e., emission abatement equipment, alternate solvents, process improvements). For more information, please contact Jeff Barghout, Southern Research, at barghout@sri.org or (919) 806-3456 ext. 31.

Grouting Materials for Infrastructure Rehabilitation
The ETV Water Quality Protection Center, in cooperation with NSF International, is soliciting vendors of grouting materials for infrastructure rehabilitation applications. Interested vendors should contact Tom Stevens, NSF, at stevenst@nsf.org or (734) 769-5347.

Coating Materials for Infrastructure Rehabilitation
The ETV Water Quality Protection Center, in cooperation with NSF International, is soliciting vendors of coating materials for infrastructure rehabilitation applications. Interested vendors should contact Tom Stevens, NSF, at stevenst@nsf.org or (734) 769-5347.

Pesticide Spray Drift Reduction Technologies
EPA is seeking vendors of pesticide application technology to participate in a pilot project using ETV Environmental and Sustainable Technology Evaluations (ESTE) funding to validate a protocol for testing the effectiveness of pesticide spray drift reduction technologies. These technologies include drift-reduction application equipment and drift-reduction adjuvant chemicals that can be used with ground-boom or aerial equipment for spraying pesticides onto row or field crops, and that can be tested in either a low- or high-speed wind tunnel. For more information, please see the FedBizOpps notice available at <http://www.fbo.gov/spg/EPA/OPPTS/OPP/ESTE%5FDRT%5F1/Synopsis.html> or contact Michael Kosusko, EPA, at (919) 541-2734 or kosusko.mike@epa.gov.

Additional information on current open ETV vendor solicitations is available at <http://www.epa.gov/etv/vendors/vendannounce.html>

UPCOMING CONFERENCES AND MEETINGS

A complete list of ETV meetings, conferences, and presentations is available on the ETV Calendar at <http://www.epa.gov/etv/calendar/current.html>. Meetings that may be of particular interest at which ETV is exhibiting and/or participating are:

September 5-6, 2007 -- The 2007 Clean Water Partnership Summit. Cincinnati, OH. The Summit is designed to foster partnerships between the EPA and private sector organizations. The event will focus on innovation in water research and development in the areas of drinking water, homeland security, sustainability, and ecosystems. The ETV Program will exhibit and participate at the Summit. For more information, please visit <http://www.htfwo.org/etprogram/summit07/>

September 9-12, 2007 -- The American Public Works Association (APWA) International Public Works Congress and Exposition. San Antonio, TX. This meeting is designed to bring together public works industry professionals from all over the world for educational programming, workshops, an exposition, and networking events to learn about the latest innovations, exchange ideas, and develop business relationships. The ETV Program will exhibit with the EPA National Risk Management Research Laboratory. For more information, please visit <http://www.apwa.net/meetings/congress/2007/>

October 1-3, 2007 - The 22nd Annual Conference of the Association of State Drinking Water Administrators (ASDWA). Fort Lauderdale, FL. This conference is targeted to Federal, state and local drinking water officials and provides these key decision makers with information on products and services related to safe drinking water. NSF International, the verification organization for the ETV Drinking Water Systems Center, will exhibit and provide information on ETV activities for verification of drinking water treatment systems.

October 7-10, 2007 - The International City/County Management Association (ICMA) 93rd Annual Conference will be held October 7-10, in Pittsburgh, PA. This conference will include keynote addresses, educational sessions, workshops, and field demonstrations to provide participants with opportunities for acquiring new tools and techniques to address the problems facing communities and local government administrators. The ETV Program will exhibit with the EPA National Risk Management Research Laboratory. For more information, please visit <http://www.icma.org/main/sc.asp>

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October 13-17, 2007 -- The 80th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC 2007), San Diego, CA. This annual meeting provides a forum for knowledge and technology in the water and wastewater fields. The ETV Program will exhibit with the EPA National Risk Management Research Laboratory. For more information, please visit <http://www.weftec.com/home.htm>

October 29 - November 1, 2007 -- The National Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) Fall Conference 2007. Richardson, TX. This national conference provides attendees with a

comprehensive overview on how to apply for and be awarded federal SBIR/STTR grants. It will also provide networking opportunities for small business owners, government officials, and industry leaders. The ETV Program plans to participate. For more information, please visit <http://www.sbirdtexas.com>

December 4-6, 2007 -- Partners in Environmental Technology Technical Symposium and Workshop, Meeting DOD's Environmental Challenges, hosted by the Strategic Environmental Research and Development Program (SERDP) and the Environmental Security Technology Certification Program (ESTCP). Washington, DC. This event will feature more than 350 posters supporting technology transfer, exhibit booths offering information about funding opportunities, a special session providing a summary of SERDP and ESTCP program development and opportunities to conduct research and demonstrations, and networking with approximately 1,000 environmental professionals. The ETV Program will exhibit with the EPA National Risk Management Research Laboratory. For preliminary technical session topics and other conference information, please visit <http://www.serdp.org/Symposium/>, or contact (703) 736-4548 or partners@hgl.com

Visit the ETVoice Archive at <http://www.epa.gov/etv/etvoice/index.html> to catch up on information previously highlighted. The ETV Web Site, at <http://www.epa.gov/etv/> has additional information on the ETV Program covering general program topics, as well as detailed information on each of the ETV verification centers.

UPCOMING SMALL BUSINESS INNOVATION RESEARCH (SBIR) WORKSHOPS

Several of the events listed below are non-EPA sponsored events, EPA lists them for your information only and is not responsible for the content or the information distributed at the listed events.

September 6-7, 2007 -- SBIR/STTR Two-Day Intensive Workshop with NIH Focus. Hershey, PA. More info at: http://www.bioconsultants.com/training_schedules.html Contact pamelab@pittsburghlifesciences.com

September 20-21, 2007 -- SBIR/STTR Proposal Preparation Workshop - NIH Specific Ann Arbor, MI. More info at: http://www.bioconsultants.com/training_schedules.html Contact info@bioconsultants.com

October 29 - November 1, 2007 -- Fall 2007 NATIONAL SBIR/STTR SBIR Conference. Richardson, TX. More info at http://www.texasone.us/site/PageServer?pagename=nat_conference

UPCOMING EVENTS

SEPTEMBER 2007 ITRC INTERNET-BASED TRAINING COURSES

The Interstate Technology & Regulatory Council (ITRC) offers a wide variety of Internet-based training courses on innovative environmental technologies

and approaches specific to the areas of site characterization, monitoring and remediation.

Upcoming courses:

- Protocol for Use of Five Passive Samplers, 9/11/07
- Vapor Intrusion Pathway: A Practical Guideline, 9/18/07
- Real-Time Measurement of Radionuclides in Soil, 9/20/07

On-line course registration opens 4-6 weeks before each session. Go to <http://clu-in.org/studio/seminar.cfm#upcoming> To register for ITRC training hosted by EPA's Clu-In. Dates subject to change. If you have additional questions after completing the on-line registration form please call 402-201-2419 or e-mail training@itrcweb.org

ITRC is a program of the Environmental Research Institute of the States (ERIS), a nonprofit corporation operating in support of the Environmental Council of the States (ECOS). Registration information for the ITRC's no cost courses is available at: <http://www.clu-in.org/studio> or <http://www.itrcweb.org> Click on Internet-based Training or Contact Mary Yelken.

September 5-7, 2007 -- Interagency Workshop on the Environmental Implications of Nanotechnology. Washington, DC. The Interagency Workshop on the Environmental Implications of Nanotechnology features presentations by EPA STAR, NSF, NIEHS, and NIOSH grant researchers who will discuss the latest science related to the potential effects of nanotechnology on human health and the environment. More info at <http://es.epa.gov/ncer/events/index.html#sep0507>

October 2-4, 2007 -- Call for Abstracts!! Desert Remedial Action Technologies Workshop, Phoenix, AZ. This will be the first EPA-sponsored workshop to focus on remedial technologies being successfully applied in desert environments. The program will emphasize field applications and case studies for technologies being applied to dissolved phase volatile organic compounds (VOCs), (specifically trichloroethene [TCE]), perchlorate, and chromium. Abstracts to be considered for placement in the program are due June 29. See <http://clu-in.org/techpubs.htm> to access the call for abstracts and the submission form. All inquiries regarding submission and content of abstracts should be addressed to Mary Aycok, Aycok.Mary@epa.gov, (415) 972-3289.

November 14, 2007 -- 2007 Southeast Regional Collegiate Environmental Science & Health Symposium. Atlanta, GA. EPA Region 4, EPA Office of Research and Development (ORD), and the Agency for Toxic Substances and Disease Registry/National Center for Environmental Health/Centers for Disease Control (ATSDR/NCEH/CDC) will host the second annual Southeast Regional Collegiate Environmental Science and Health Symposium, in Atlanta, Georgia. Contact Kara Belle 404-562-8322, Tom Baugh 404-562-8275, or Estella Waldman 202-343-9803.

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